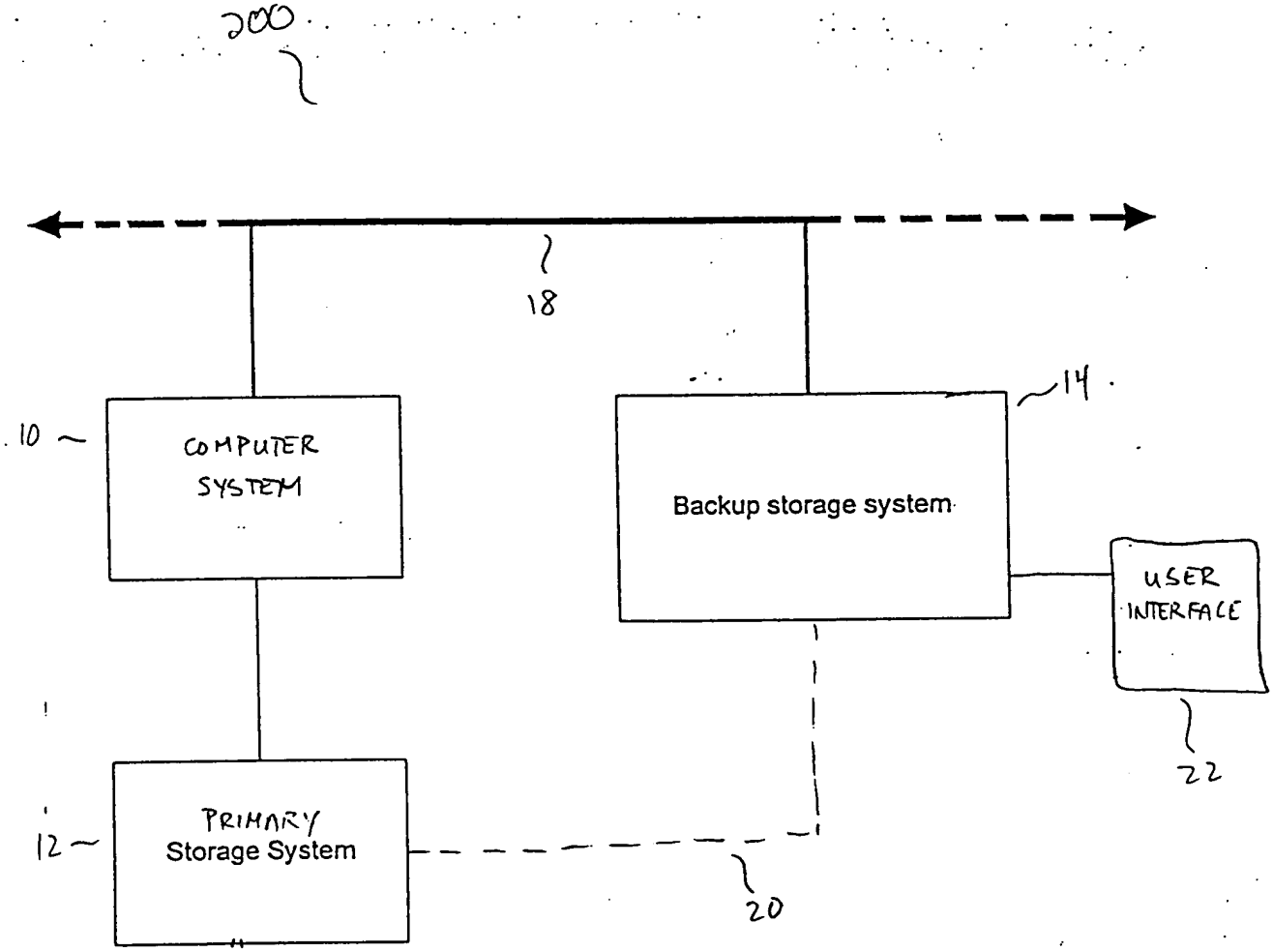


FIG. 1
(PRIOR ART)

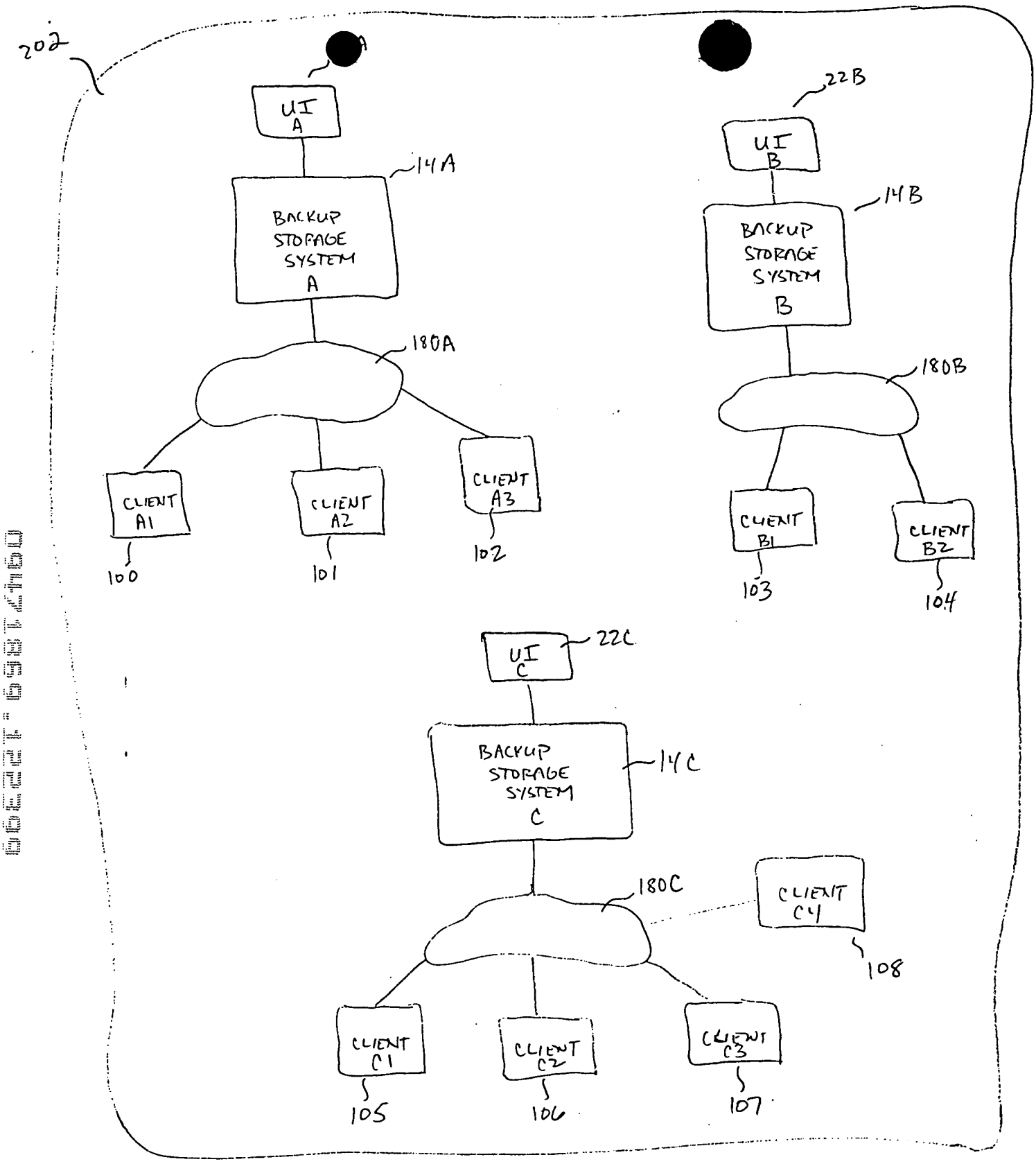


FIG. 2
(PRIOR ART)

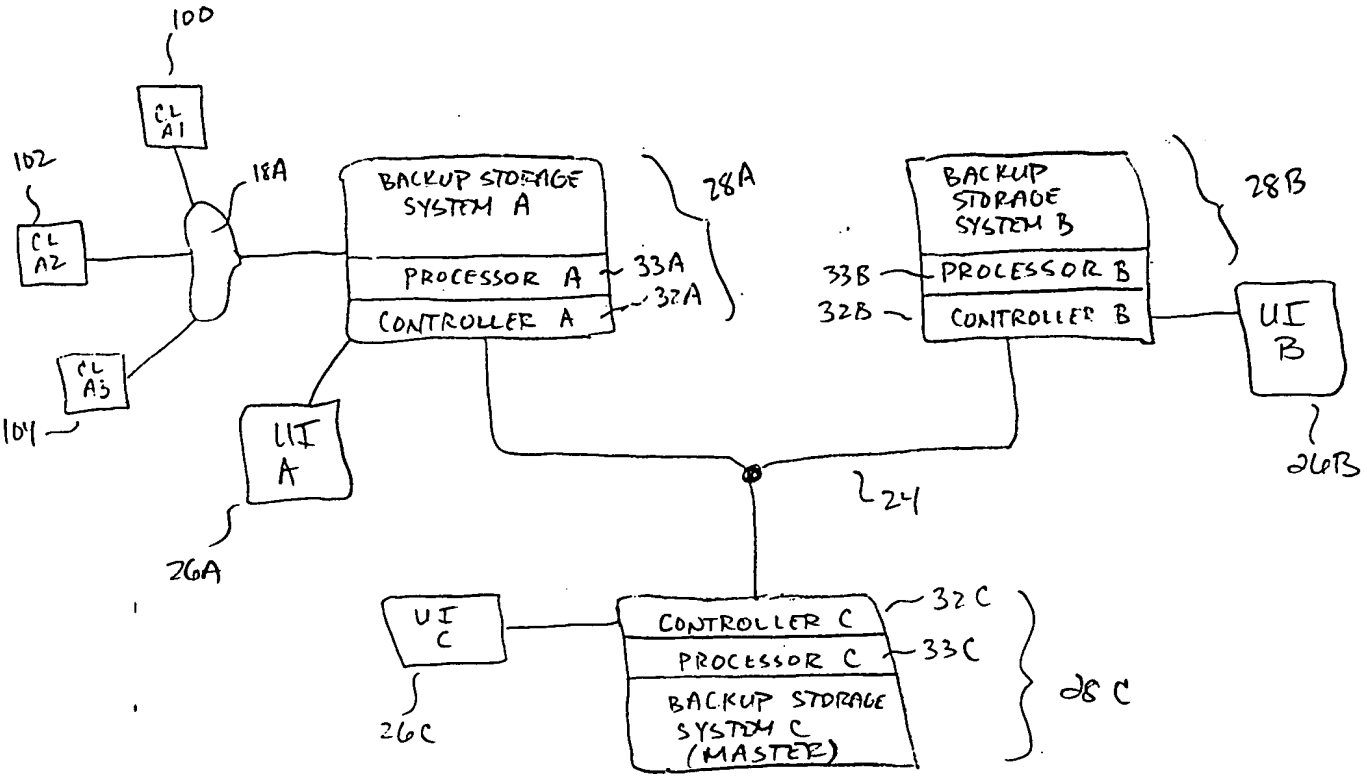

204
100
CL A1
102
CL A2
18A
CL A3
104
BACKUP STORAGE SYSTEM A
28A
PROCESSOR A
33A
CONTROLLER A
32A
BACKUP STORAGE SYSTEM B
28B
33B
PROCESSOR B
32B
CONTROLLER B
UI A
26A
UI B
26B
24
UI C
26C
CONTROLLER C
32C
PROCESSOR C
33C
BACKUP STORAGE SYSTEM C (MASTER)
28C

FIG. 3

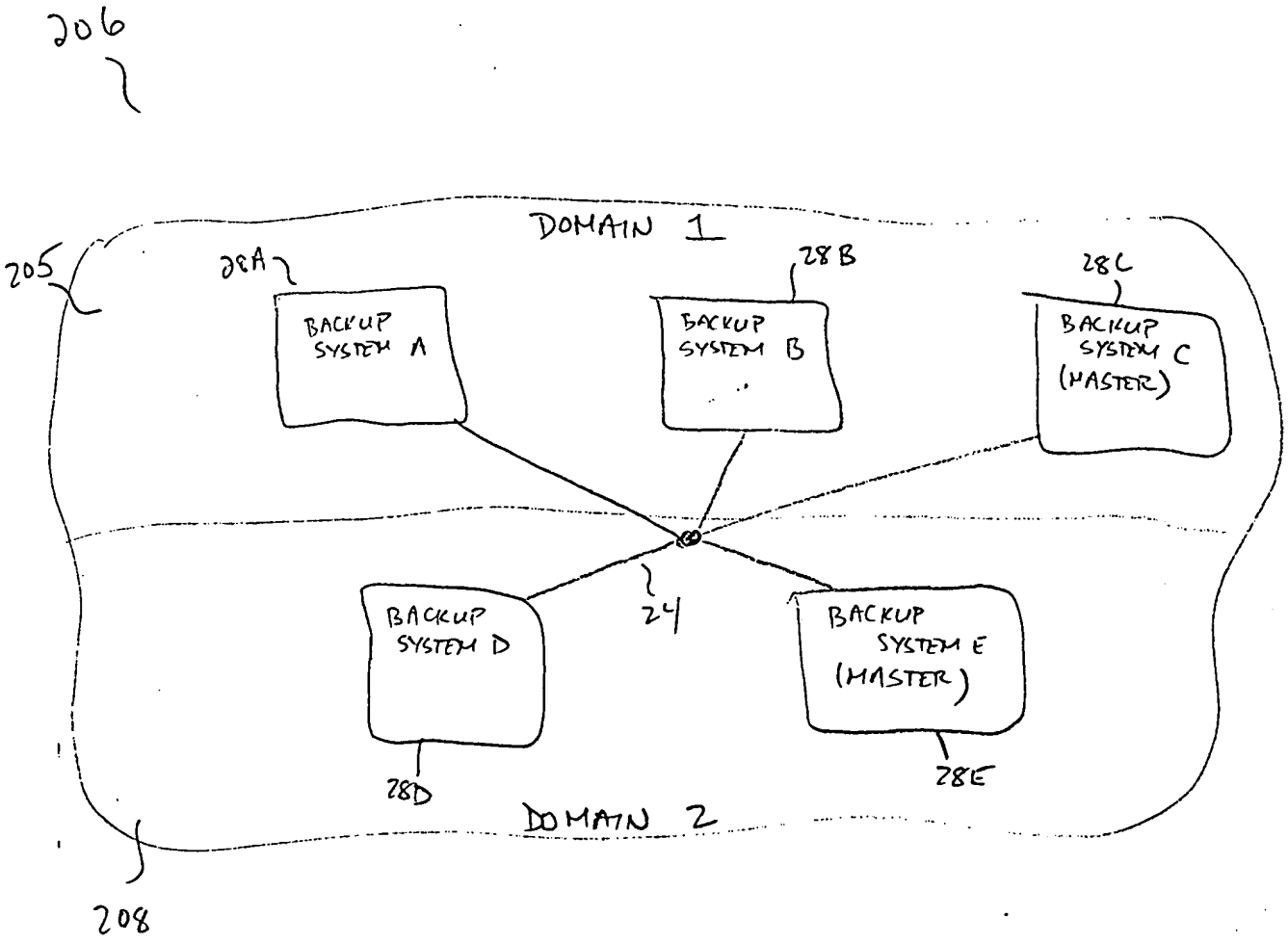

206
DOMAIN 1
205
28A
28B
28C
BACKUP SYSTEM A
BACKUP SYSTEM B
BACKUP SYSTEM C (MASTER)
24
BACKUP SYSTEM D
BACKUP SYSTEM E (MASTER)
28D
28E
DOMAIN 2
208

FIG. 4

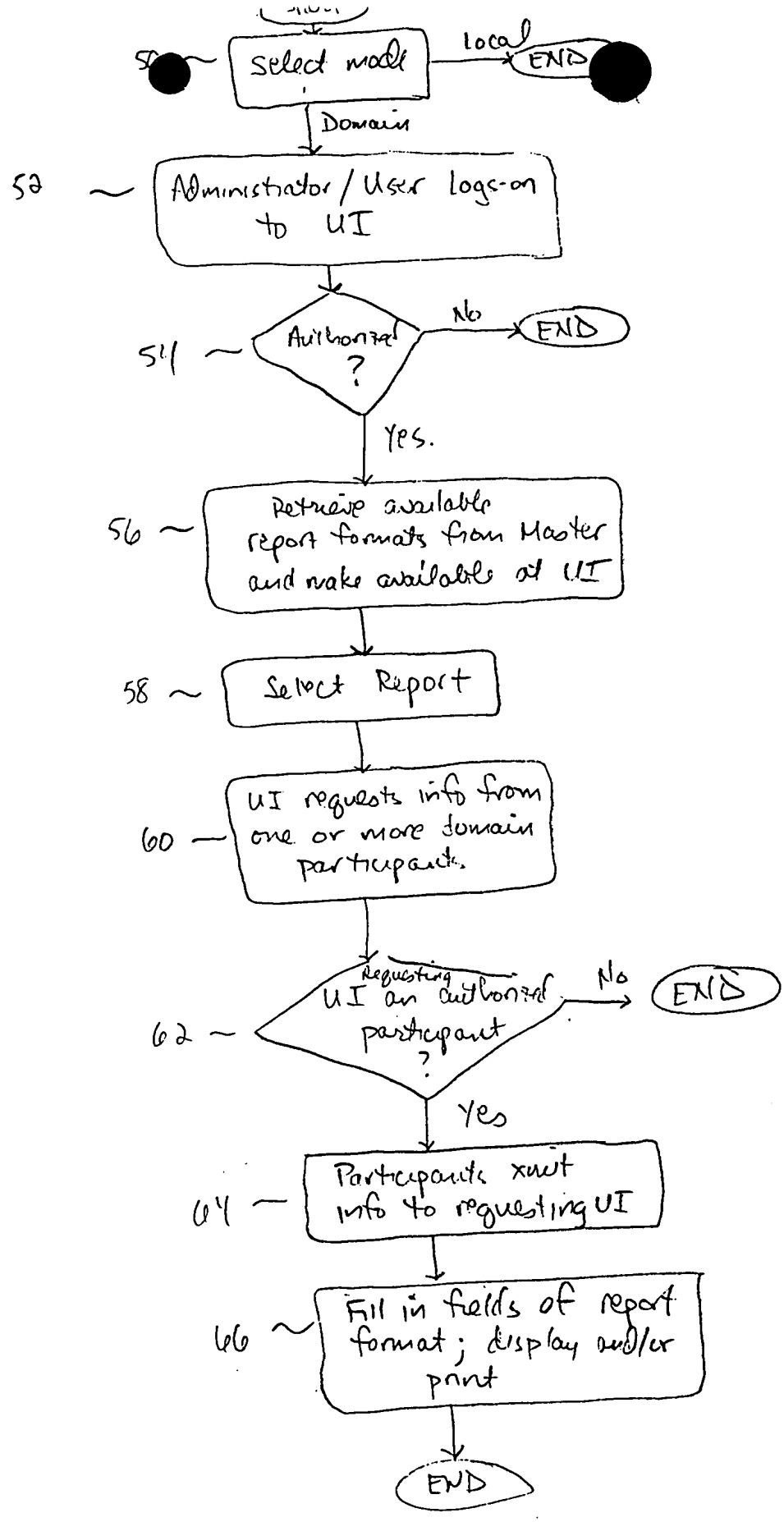

Select mode
Local
END
Domain
52
Administrator / User logs-on to UI
Authorized ?
No
END
54
Yes.
Retrieve available report formats from Master and make available at UI
56
Select Report
58
UI requests info from one or more domain participants.
60
Requesting UI an authorized participant ?
No
END
62
Yes
Participants send info to requesting UI
64
Fill in fields of report format; display and/or print
66
END

FIG. 5

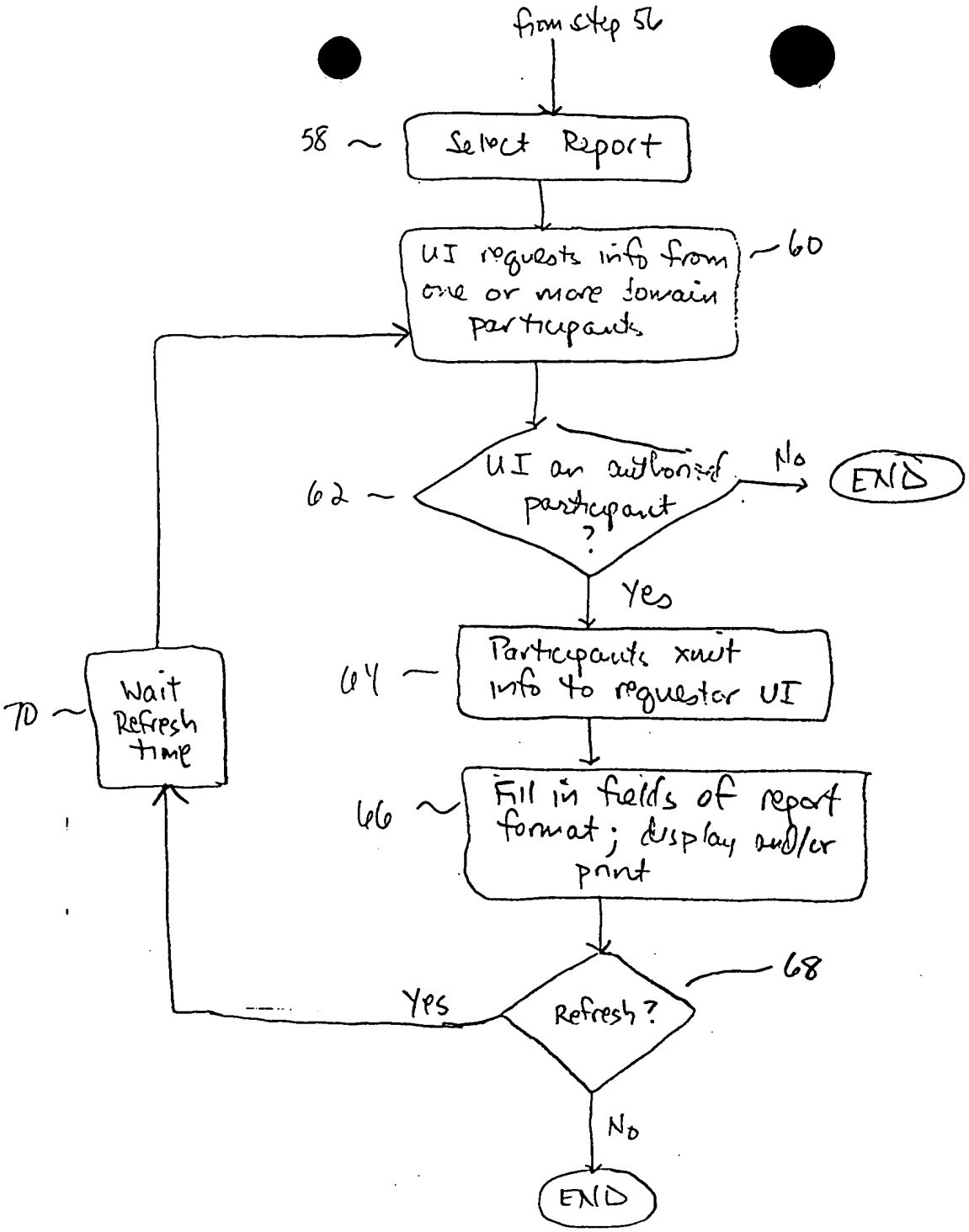

from step 56
58
Select Report
UI requests info from one or more domain participants
60
UI an authorized participant ?
62
No
END
Yes
Participants return info to requestor UI
64
Wait Refresh time
70
Fill in fields of report format; display and/or print
66
Refresh?
68
Yes
No
END

FIG. 6

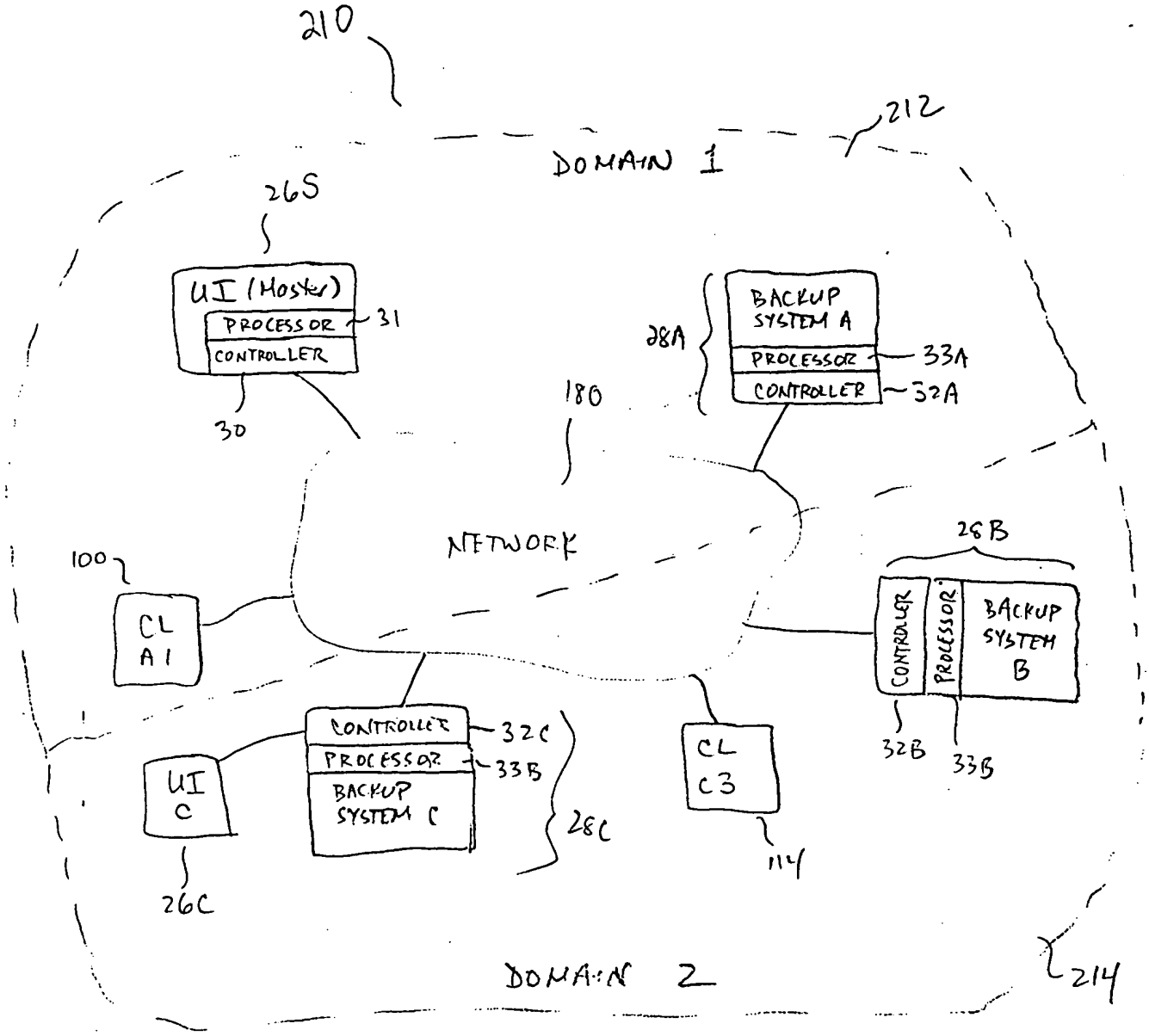

210
212
DOMAIN 1
26S
UI (Master)
PROCESSOR
CONTROLLER
31
30
28A
BACKUP SYSTEM A
PROCESSOR
CONTROLLER
33A
32A
180
NETWORK
100
CL A1
26B
CONTROLLER
PROCESSOR
BACKUP SYSTEM B
32B
33B
CONTROLLER
PROCESSOR
BACKUP SYSTEM C
32C
33B
28C
UI C
26C
CL C3
114
DOMAIN 2
214

FIG. 7

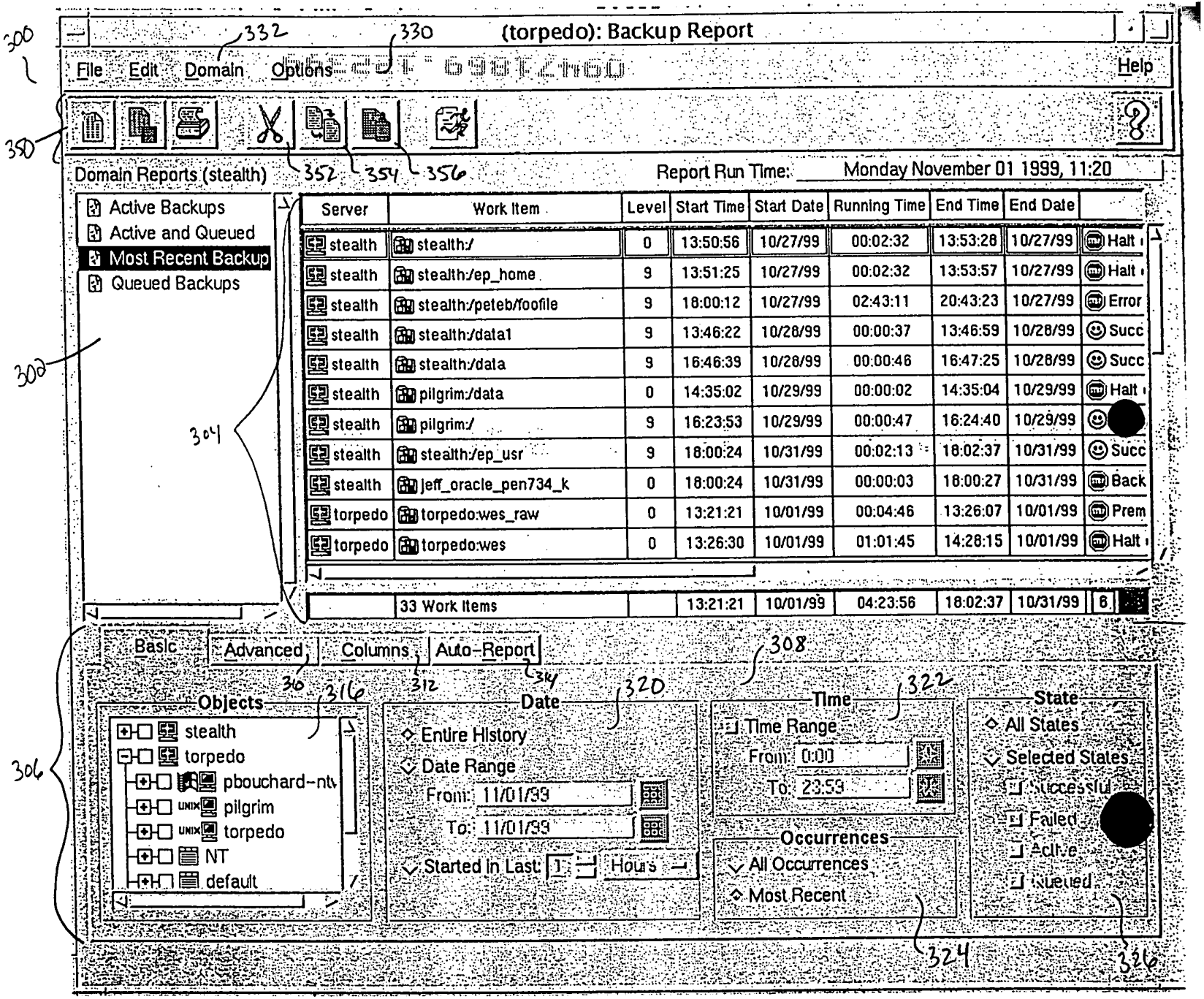

300
332
330
(torpedo): Backup Report
File
Edit
Domain
Options
Help
350
352
354
356
Domain Reports (stealth)
Report Run Time: Monday November 01 1999, 11:20
Active Backups
Active and Queued
Most Recent Backup
Queued Backups
302
304
Server
Work Item
Level
Start Time
Start Date
Running Time
End Time
End Date
stealth stealth:/ 0 13:50:56 10/27/99 00:02:32 13:53:28 10/27/99 Halt
stealth stealth:/ep_home 9 13:51:25 10/27/99 00:02:32 13:53:57 10/27/99 Halt
stealth stealth:/peteb/foofile 9 18:00:12 10/27/99 02:43:11 20:43:23 10/27/99 Error
stealth stealth:/data1 9 13:46:22 10/28/99 00:00:37 13:46:59 10/28/99 Succ
stealth stealth:/data 9 16:46:39 10/28/99 00:00:46 16:47:25 10/28/99 Succ
stealth pilgrim:/data 0 14:35:02 10/29/99 00:00:02 14:35:04 10/29/99 Halt
stealth pilgrim:/ 9 16:23:53 10/29/99 00:00:47 16:24:40 10/29/99
stealth stealth:/ep_usr 9 18:00:24 10/31/99 00:02:13 18:02:37 10/31/99 Succ
stealth jeff_oracle_pen734_k 0 18:00:24 10/31/99 00:00:03 18:00:27 10/31/99 Back
torpedo torpedo:wes_raw 0 13:21:21 10/01/99 00:04:46 13:26:07 10/01/99 Prem
torpedo torpedo:wes 0 13:26:30 10/01/99 01:01:45 14:28:15 10/01/99 Halt
33 Work Items 13:21:21 10/01/99 04:23:56 18:02:37 10/31/99 6
Basic
Advanced
Columns
Auto-Report
308
310
312
314
306
Objects
316
stealth
torpedo
pbouchard-nt
pilgrim
torpedo
NT
default
Date
320
Entire History
Date Range
From: 11/01/99
To: 11/01/99
Started In Last: 1 Hours
Time
322
Time Range
From: 0:00
To: 23:59
Occurrences
All Occurrences
Most Recent
324
State
All States
Selected States
Successful
Failed
Active
Queued
326

FIG. 8

66E22F 6987C460

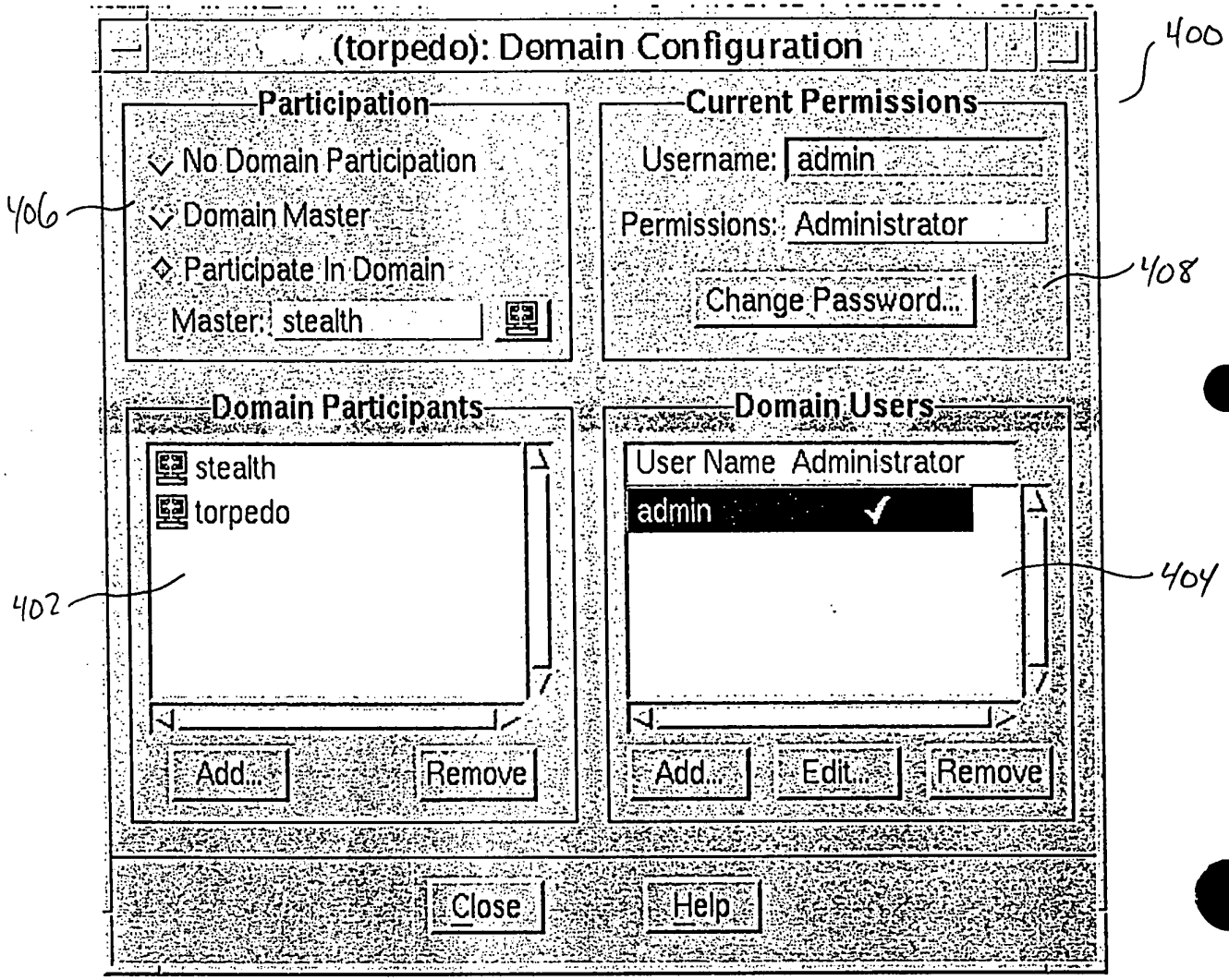


FIG. 9

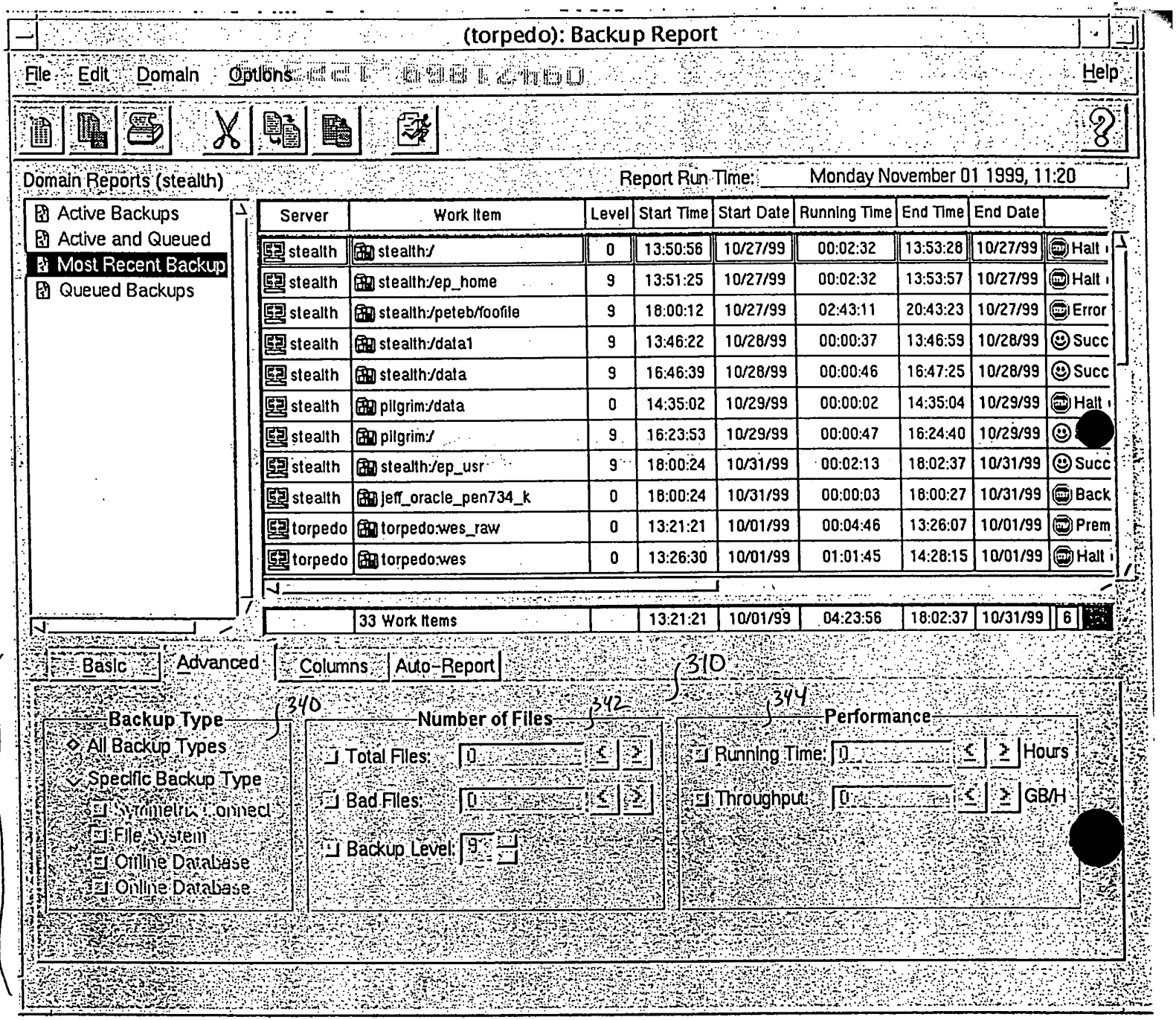

300
(torpedo): Backup Report
File Edit Domain Options Help
Domain Reports (stealth)
Report Run Time: Monday November 01 1999, 11:20
Active Backups
Active and Queued
Most Recent Backup
Queued Backups
Server | Work Item | Level | Start Time | Start Date | Running Time | End Time | End Date
stealth | stealth:/ | 0 | 13:50:56 | 10/27/99 | 00:02:32 | 13:53:28 | 10/27/99 | Halt
stealth | stealth:/ep_home | 9 | 13:51:25 | 10/27/99 | 00:02:32 | 13:53:57 | 10/27/99 | Halt
stealth | stealth:/peteb/foofile | 9 | 18:00:12 | 10/27/99 | 02:43:11 | 20:43:23 | 10/27/99 | Error
stealth | stealth:/data1 | 9 | 13:46:22 | 10/28/99 | 00:00:37 | 13:46:59 | 10/28/99 | Succ
stealth | stealth:/data | 9 | 16:46:39 | 10/28/99 | 00:00:46 | 16:47:25 | 10/28/99 | Succ
stealth | pilgrim:/data | 0 | 14:35:02 | 10/29/99 | 00:00:02 | 14:35:04 | 10/29/99 | Halt
stealth | pilgrim:/ | 9 | 16:23:53 | 10/29/99 | 00:00:47 | 16:24:40 | 10/29/99
stealth | stealth:/ep_usr | 9 | 18:00:24 | 10/31/99 | 00:02:13 | 18:02:37 | 10/31/99 | Succ
stealth | jeff_oracle_pen734_k | 0 | 18:00:24 | 10/31/99 | 00:00:03 | 18:00:27 | 10/31/99 | Back
torpedo | torpedo:wes_raw | 0 | 13:21:21 | 10/01/99 | 00:04:46 | 13:26:07 | 10/01/99 | Prem
torpedo | torpedo:wes | 0 | 13:26:30 | 10/01/99 | 01:01:45 | 14:28:15 | 10/01/99 | Halt
33 Work Items | 13:21:21 | 10/01/99 | 04:23:56 | 18:02:37 | 10/31/99 | 6
Basic Advanced Columns Auto-Report
310
306
340
342
344
Backup Type
All Backup Types
Specific Backup Type
Symmetrix Connect
File System
Offline Database
Online Database
Number of Files
Total Files: 0
Bad Files: 0
Backup Level: 9
Performance
Running Time: 0 Hours
Throughput: 0 GB/H

FIG. 10

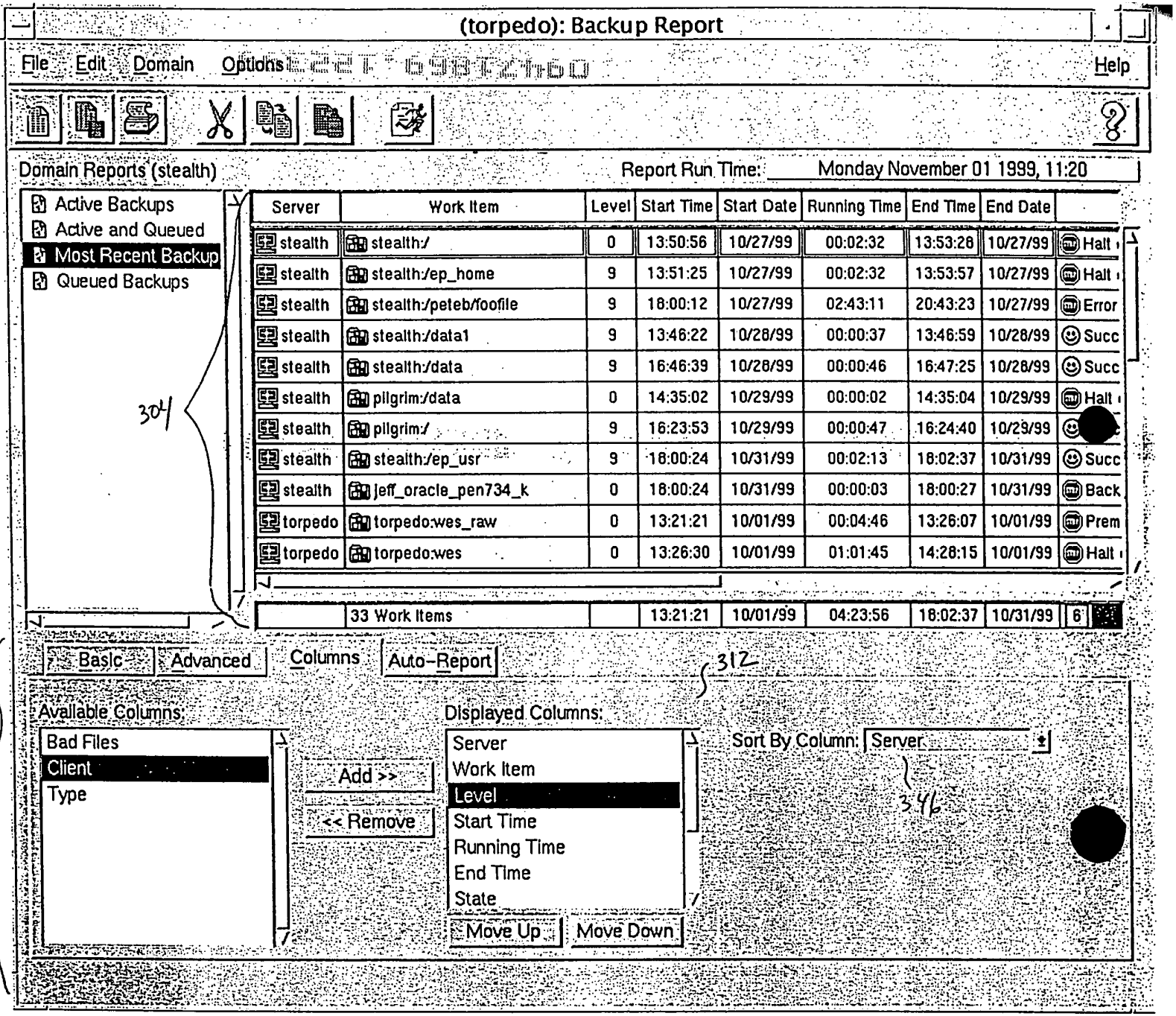

(torpedo): Backup Report
File Edit Domain Options Help
300
Domain Reports (stealth)
Report Run Time: Monday November 01 1999, 11:20
Active Backups
Active and Queued
Most Recent Backup
Queued Backups
304
Server | Work Item | Level | Start Time | Start Date | Running Time | End Time | End Date
stealth | stealth:/ | 0 | 13:50:56 | 10/27/99 | 00:02:32 | 13:53:28 | 10/27/99 | Halt
stealth | stealth:/ep_home | 9 | 13:51:25 | 10/27/99 | 00:02:32 | 13:53:57 | 10/27/99 | Halt
stealth | stealth:/peteb/foofile | 9 | 18:00:12 | 10/27/99 | 02:43:11 | 20:43:23 | 10/27/99 | Error
stealth | stealth:/data1 | 9 | 13:46:22 | 10/28/99 | 00:00:37 | 13:46:59 | 10/28/99 | Succ
stealth | stealth:/data | 9 | 16:46:39 | 10/28/99 | 00:00:46 | 16:47:25 | 10/28/99 | Succ
stealth | pilgrim:/data | 0 | 14:35:02 | 10/29/99 | 00:00:02 | 14:35:04 | 10/29/99 | Halt
stealth | pilgrim:/ | 9 | 16:23:53 | 10/29/99 | 00:00:47 | 16:24:40 | 10/29/99
stealth | stealth:/ep_usr | 9 | 18:00:24 | 10/31/99 | 00:02:13 | 18:02:37 | 10/31/99 | Succ
stealth | jeff_oracle_pen734_k | 0 | 18:00:24 | 10/31/99 | 00:00:03 | 18:00:27 | 10/31/99 | Back
torpedo | torpedo:wes_raw | 0 | 13:21:21 | 10/01/99 | 00:04:46 | 13:26:07 | 10/01/99 | Prem
torpedo | torpedo:wes | 0 | 13:26:30 | 10/01/99 | 01:01:45 | 14:28:15 | 10/01/99 | Halt
33 Work Items | 13:21:21 | 10/01/99 | 04:23:56 | 18:02:37 | 10/31/99 | 6
Basic Advanced Columns Auto-Report
312
306
Available Columns:
Bad Files
Client
Type
Add >>
<< Remove
Displayed Columns:
Server
Work Item
Level
Start Time
Running Time
End Time
State
Move Up Move Down
Sort By Column: Server
346

FIG. 11

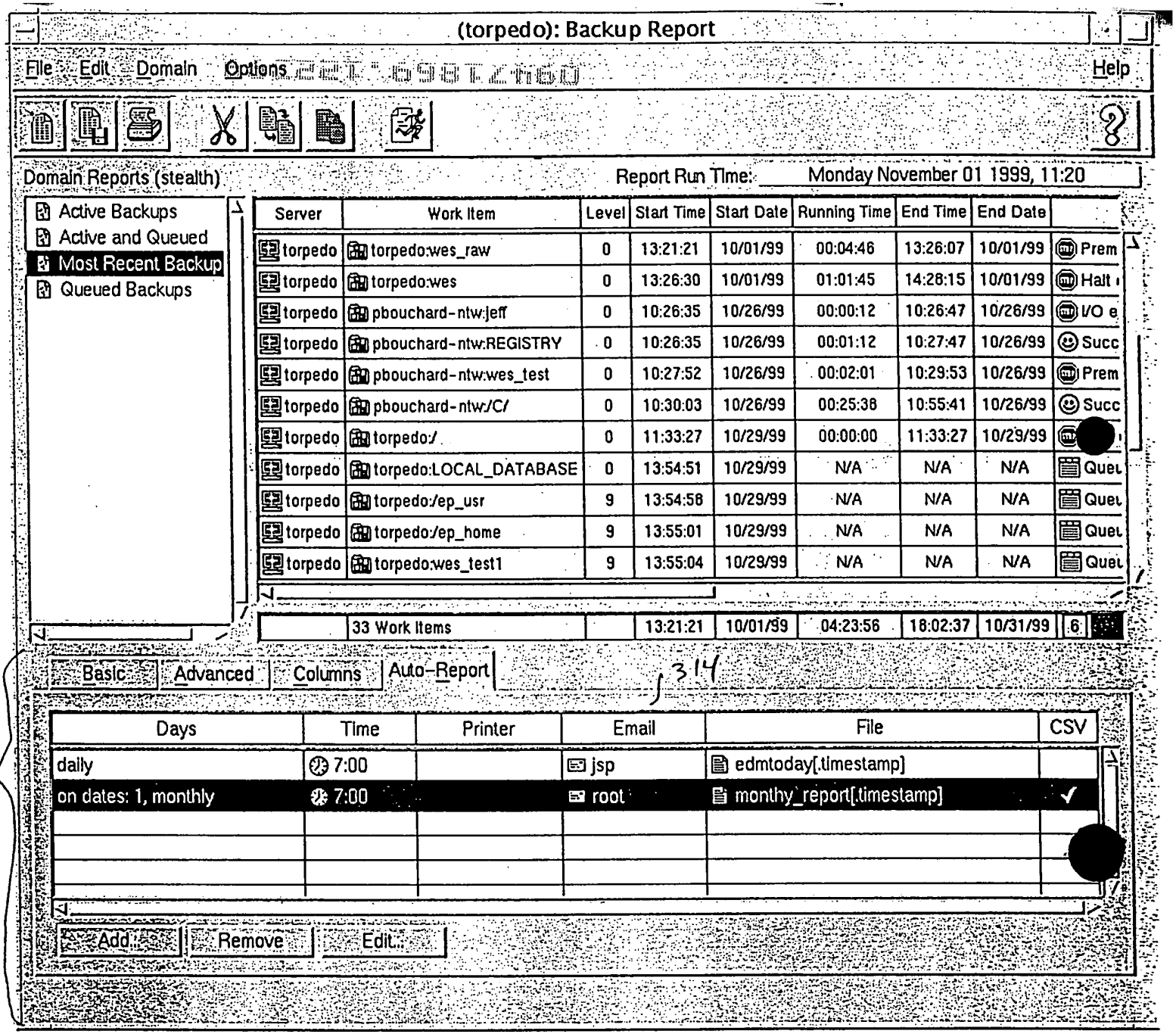
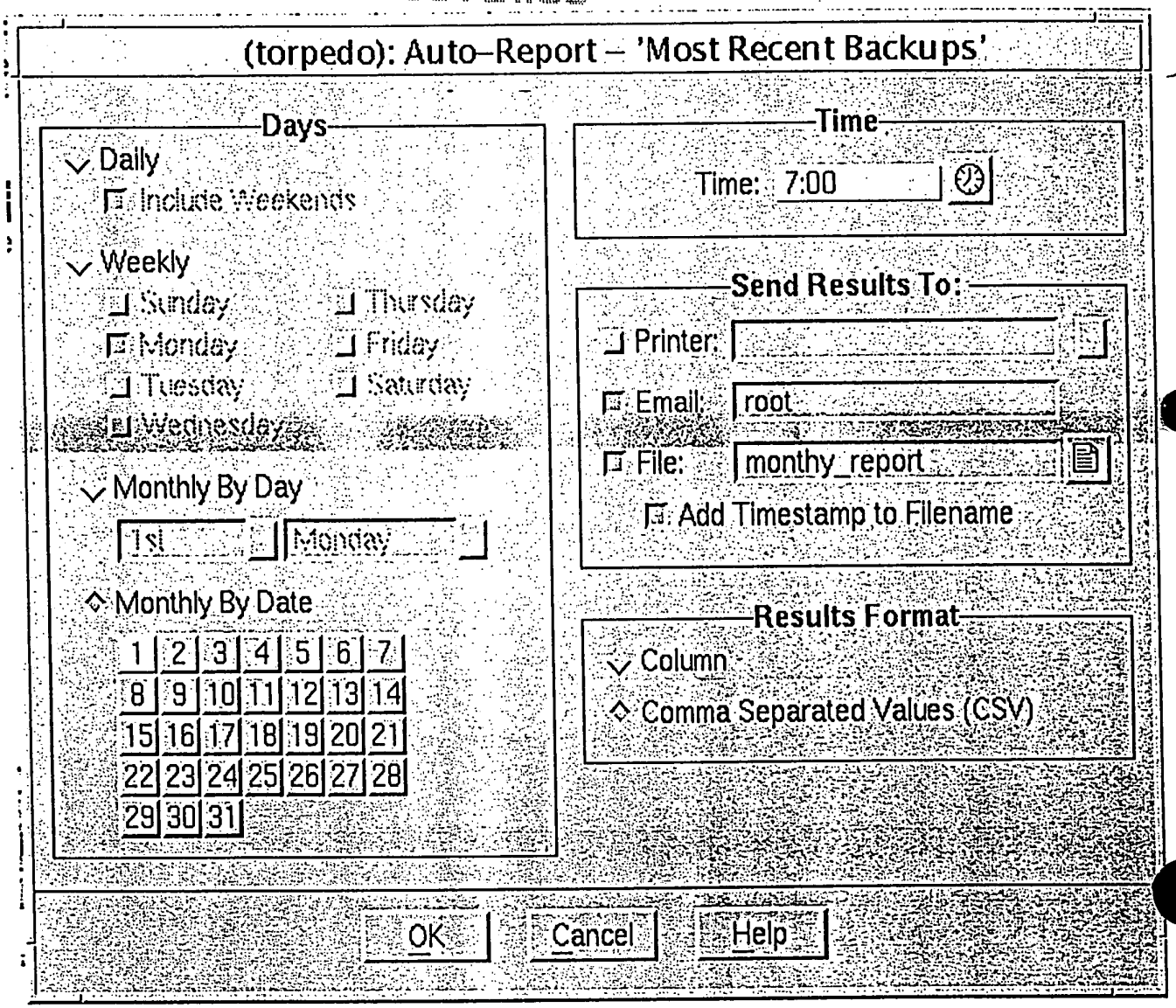

(torpedo): Backup Report
File Edit Domain Options Help
300
Domain Reports (stealth)
Report Run Time: Monday November 01 1999, 11:20
Active Backups
Active and Queued
Most Recent Backup
Queued Backups
Server | Work Item | Level | Start Time | Start Date | Running Time | End Time | End Date
torpedo | torpedo:wes_raw | 0 | 13:21:21 | 10/01/99 | 00:04:46 | 13:26:07 | 10/01/99 | Prem
torpedo | torpedo:wes | 0 | 13:26:30 | 10/01/99 | 01:01:45 | 14:28:15 | 10/01/99 | Halt
torpedo | pbouchard-ntw:jeff | 0 | 10:26:35 | 10/26/99 | 00:00:12 | 10:26:47 | 10/26/99 | I/O e
torpedo | pbouchard-ntw:REGISTRY | 0 | 10:26:35 | 10/26/99 | 00:01:12 | 10:27:47 | 10/26/99 | Succ
torpedo | pbouchard-ntw:wes_test | 0 | 10:27:52 | 10/26/99 | 00:02:01 | 10:29:53 | 10/26/99 | Prem
torpedo | pbouchard-ntw:/C/ | 0 | 10:30:03 | 10/26/99 | 00:25:36 | 10:55:41 | 10/26/99 | Succ
torpedo | torpedo:/ | 0 | 11:33:27 | 10/29/99 | 00:00:00 | 11:33:27 | 10/29/99
torpedo | torpedo:LOCAL_DATABASE | 0 | 13:54:51 | 10/29/99 | N/A | N/A | N/A | Quet
torpedo | torpedo:/ep_usr | 9 | 13:54:58 | 10/29/99 | N/A | N/A | N/A | Quet
torpedo | torpedo:/ep_home | 9 | 13:55:01 | 10/29/99 | N/A | N/A | N/A | Quet
torpedo | torpedo:wes_test1 | 9 | 13:55:04 | 10/29/99 | N/A | N/A | N/A | Quet
33 Work Items | 13:21:21 | 10/01/99 | 04:23:56 | 18:02:37 | 10/31/99 | 6
Basic Advanced Columns Auto-Report
314
306
Days | Time | Printer | Email | File | CSV
daily | 7:00 | | jsp | edmtoday[.timestamp] |
on dates: 1, monthly | 7:00 | | root | monthy_report[.timestamp] | ✓
Add... Remove Edit...

FIG. 12

06E22T "698T2H6D



402

FIG. 13

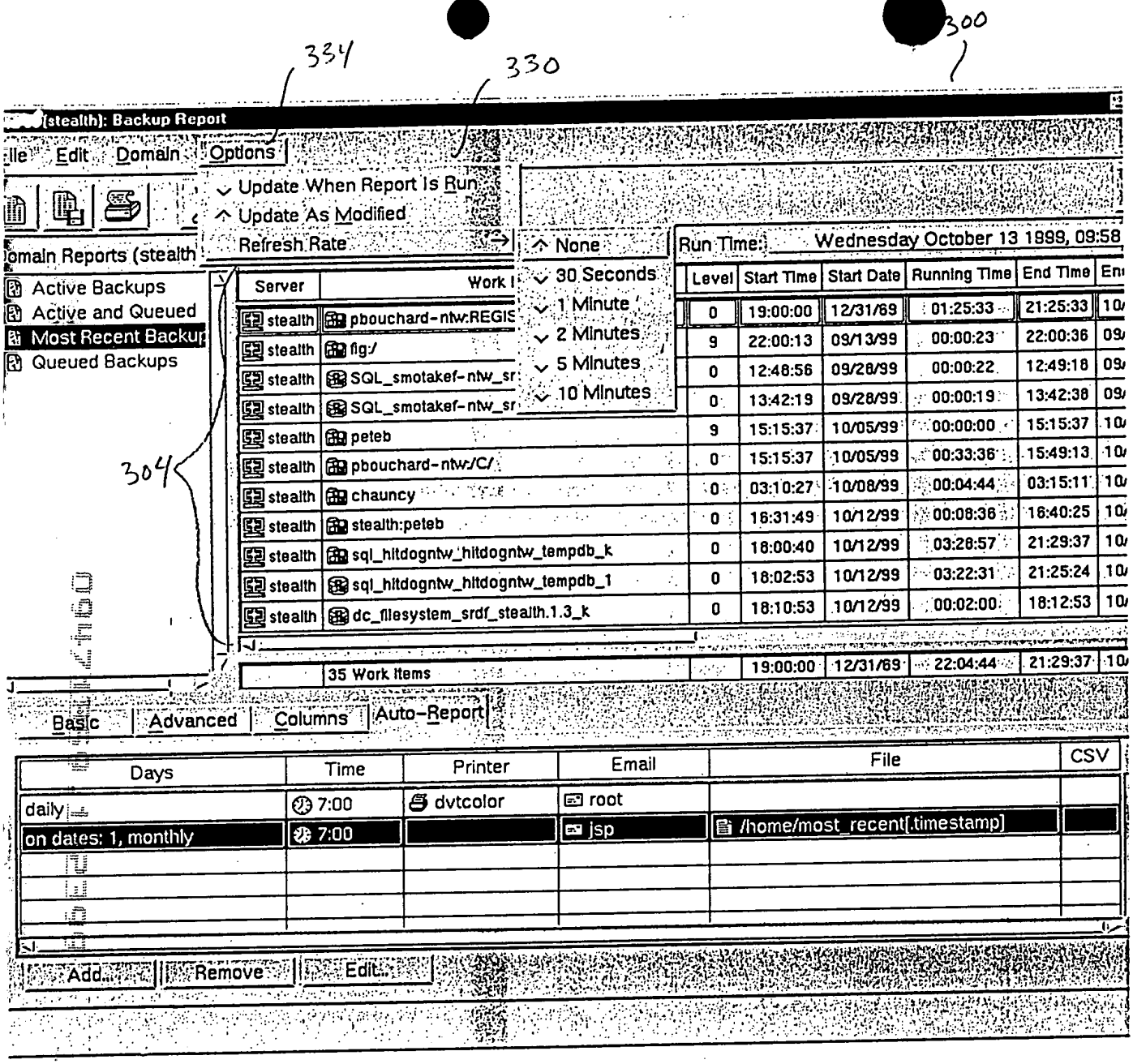

300
334
330
(stealth): Backup Report
File Edit Domain Options
Update When Report Is Run
Update As Modified
Refresh Rate
None
30 Seconds
1 Minute
2 Minutes
5 Minutes
10 Minutes
Run Time: Wednesday October 13 1999, 09:58
Domain Reports (stealth
Active Backups
Active and Queued
Most Recent Backup
Queued Backups
304
Server
Work I
Level
Start Time
Start Date
Running Time
End Time
stealth pbouchard-ntw:REGIS 0 19:00:00 12/31/69 01:25:33 21:25:33
stealth fig:/ 9 22:00:13 09/13/99 00:00:23 22:00:36
stealth SQL_smotakef-ntw_sr 0 12:48:56 09/28/99 00:00:22 12:49:18
stealth SQL_smotakef-ntw_sr 0 13:42:19 09/28/99 00:00:19 13:42:38
stealth peteb 9 15:15:37 10/05/99 00:00:00 15:15:37
stealth pbouchard-ntw:/C/ 0 15:15:37 10/05/99 00:33:36 15:49:13
stealth chauncy 0 03:10:27 10/08/99 00:04:44 03:15:11
stealth stealth:peteb 0 16:31:49 10/12/99 00:08:36 16:40:25
stealth sql_hitdogntw_hitdogntw_tempdb_k 0 18:00:40 10/12/99 03:28:57 21:29:37
stealth sql_hitdogntw_hitdogntw_tempdb_1 0 18:02:53 10/12/99 03:22:31 21:25:24
stealth dc_filesystem_srdf_stealth.1.3_k 0 18:10:53 10/12/99 00:02:00 18:12:53
35 Work Items 19:00:00 12/31/69 22:04:44 21:29:37
Basic
Advanced
Columns
Auto-Report
Days
Time
Printer
Email
File
CSV
daily 7:00 dvtcolor root
on dates: 1, monthly 7:00 jsp /home/most_recent[.timestamp]
Add...
Remove
Edit...

FIG. 14